

## CLAIMS

1. A culture medium for filamentary fungi comprising at least one carbon source chosen from the group consisting of molasses, malt extract and sucrose and at least one organic  
5 nitrogen source chosen from yeast extract and corn steep liquor.
2. A culture medium according to claim 1, wherein said at least one carbon source constitutes 70 to 85% by weight of the dry weight of the culture medium and said at least one  
10 organic nitrogen source constitutes 15 to 30% by weight of the dry weight of the culture medium.
3. A culture medium according to claim 1 or 2, further comprising a mineral nitrogen source.
4. A culture medium according to claim 3, wherein said  
15 mineral nitrogen source is contained in an amount no greater than 10% by weight of the dry weight of the culture medium and preferably between 5 and 8% by weight.
5. A culture medium according to claim 3 or 4, wherein said mineral nitrogen source consists of ammonium nitrates  
20 or salts.
6. A culture medium according to any one of claims 1 and 2, consisting of 75-85% malt extract and 15-25% yeast extract, wherein said percentages are by weight of the dry weight of said culture medium.
- 25 7. A culture medium according to claim 1 or 2, comprising 60-65% molasses, 10-15% sucrose, 10-15% corn steep liquor and 10-15% yeast extract.
8. A culture medium according to claim 7, further comprising 5 to 8% of a mineral nitrogen source.

9. A culture medium according to claim 8, wherein said mineral nitrogen source consists of diammonium hydrogen phosphate.
10. A culture medium according to claim 1 or 2,  
5 containing, in percentage by weight of the dry weight of said medium, 25-20% malt extract, 40-45% molasses and 25-30% corn steep liquor.
11. A method for producing filamentary fungi, in particular nematophagus fungi, on an industrial scale,  
10 comprising the step of seeding conidia of said fungi in a culture medium according to any one of claims 1 and 2 and keeping said culture medium at a temperature of 23-30°C for a time of 5-10 days to determine the reproduction and growth of the fungi.
12. A method according to claim 11, comprising the further  
15 step of gradually adding, preferably from the fourth day after the seeding of said conidia, small amounts of a mineral nitrogen source.
13. A method according to claim 12, wherein said mineral  
20 nitrogen source consists of ammonium nitrates and salts and it is added in a total amount of no more than 10% of the dry weight of said culture medium and preferably in an amount between 5 and 8% of the dry weight of said culture medium.